

REMARKS

Reconsideration of the rejection of claims 63 – 65 under 35 U.S.C. §112, first paragraph, is respectfully requested in light of the amendments being made herein. These claims are substantial copies, with somewhat different form and scope, of claim 1 of U.S. patent no. 5,648,929, with which the declaration of an Interference has been considered. In light of the rejection, the word “logic” is being stricken from the phrase “plurality of logic blocks” in each of the three claims. Although it is believed that the claimed concept is adequately disclosed in the present application’s specification, and thus that these amendments are unnecessary, they are being made in order to advance the prosecution of this application, particularly since the absence of the word “logic” in the objected phrase does not adversely affect the scope of the claims. The word “block” remains in the objected phrase of the claims, finding support in the present application, for example, at page 8 (line 29) and page 16 (line 18).

Information Disclosure Statement

A comprehensive Information Disclosure Statement was filed December 28, 1998, along with a Continued Prosecution Application and a Preliminary Amendment. Yet there is no record in the file of the undersigned attorney that the references cited therein have been considered and made of record in this case. Therefore, a copy of the Information Disclosure Statement, dated December 23, 1998, is being filed herewith, along with its 6 pages of form 1449. Copies of the references so listed were also filed at that time. Consideration of these references and making them of record in the Patent Office file of the present application are respectfully requested.

Conclusion

Accordingly, it is believed that the basis for the claim rejection set forth in the Office Action has been overcome. If the Examiner has any further matters that need to

be resolved, a telephone call to the undersigned attorney at 415-318-1160 would be appreciated.

Respectfully submitted,



Gerald P. Parsons
Attorney for Applicants
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May 1, 2003

Date

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Patent Application of

ELIYAHOU HARARI, ROBERT D.
NORMAN and SANJAY MEHROTRA

Serial No.: 09/114,504

Filed: HEREWITH

For: FLASH EEPROM SYSTEM

San Francisco, California

Assistant Commissioner of Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

The following Form 1449 and copies of each cited document are being filed herewith as an Information Disclosure Statement. Consideration of each of these documents by the Patent Examiner, and the making of each of them of record in the file of this application, are respectfully requested. The ten foreign patent documents are not in English; however it is believed that the concise statement of relevancy is met by the English abstract attached to the front of each document.

The required fee of \$240.00 is being filed herewith. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 13-1030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Dated: 12/23/98

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Atty. Docket: HARI.006USQ

FORM PT01449
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.

SERIAL NO.

HARI.006USQ

APPLICANT

ELIYAHOU HARARI et al.

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U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A1 3 8 9 5 3 6 0	7/75	Cricchi et al.			
	A2 3 8 9 8 6 3 2	8/75	Spencer, Jr.			
	A3 3 9 0 6 4 5 5	9/75	Houston et al.			
	A4 3 9 1 4 7 5 0	10/75	Hadden, Jr.			
	A5 4 0 4 4 3 3 9	8/77	Berg			
	A6 4 0 5 8 7 9 9	11/77	George et al.			
	A7 4 0 6 4 4 0 5	12/77	Cricchi et al.			
	A8 4 1 1 5 8 5 0	9/78	Houston et al.			
	A9 4 1 3 0 8 9 0	12/78	Adam			
	A10 4 1 4 1 0 8 1	2/79	Horne et al.			
	A11 4 1 9 3 1 2 8	3/80	Brewer			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS.? (YES/NO)
	B1 JP 58 0 8 6 7 7 7	1983	Japan			Abstract
	B2 JP 58 2 1 5 7 9 4	1983	Japan			Abstract
	B3 JP 58 2 1 5 7 9 5	1983	Japan			Yes
	B4 JP 59 1 6 2 6 9 5	1984	Japan			Abstract
	B5 JP 62 2 8 3 4 9 7	1987	Japan			Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

C1	Flash Memory Cards, Oct. 1992, pp. 4-91, 4-95, and 4-96.
C2	Cricchi et al., "Nonvolatile Block-Oriented RAM", IEEE International Solid-State Circuits Conference, Feb, 13-15, 1974, Digest of Technical Papers.
C3	Brewer et al., "Block-Oriented Random Access MNOS Memory", National Computer Conference and Exposition, Chicago, May 6-10, 1974, AFIPS Conference Proceedings, vol 43. Pp. 837-840.

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* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A12 4 2 4 1 4 2 4	12/80	Dickson et al.			
	A13 4 4 1 2 3 0 9	10/83	Kuo			
	A14 4 4 2 8 0 4 7	1/84	Hayn et al.			
	A15 4 4 3 3 3 8 7	2/84	Dyer et al.			
	A16 4 5 2 7 2 5 7	7/85	Cricchi			
	A17 4 8 6 0 2 6 2	8/89	Chiu			
	A18 4 8 8 2 6 4 2	11/89	Tayler et al.			
	A19 4 8 8 7 2 3 4	12/89	Iijima			
	A20 4 9 2 0 4 7 8	4/90	Furuya et al.			
	A21 4 9 3 1 9 9 7	6/90	Mitsubishi et al.			
	A22 4 9 3 3 9 0 6	6/90	Terada et al.			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS.? (YES/NO)
B6 JP 59 1 8 6 0 1 5	1984	Japan			Abstract
B7 JP 62 2 8 3 4 9 6	1987	Japan			Yes
B8 JP 63 1 8 3 7 0 0	1988	Japan			Abstract
B9 JP 58 0 8 6 7 7 7	1983	Japan			Abstract
B10 JP 52 0 0 8 7 3 8	1977	Japan			Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

C4	Brewer et al., "Low Cost MNOS BORAM", Proceedings of IEEE National Aerospace Electronics Conference, NAECON '77, May 17-19, 1977.
C5	Short, "Microprocessors and Programmed Logic", second edition. Ch 13.2.2 Electrically Erasable Programmable Read only Memory, EEPROM Prentice Hall International, 1987.
C6	Fitzpatrick et al., "MNOS/SOS Memory Using High-Voltage Depletion-Mode CMOS Logic", Westinghouse Electric Corp., pp. 196-199.
C7	SEEQ Technology Incorp., 48F512 512 Flash EEPROM, Preliminary Data Sheet, Oct 1988, pp. 2-1, 2-24.

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	A23 4 9 4 9 3 0 9	8/90	Rao			
	A24 5 0 5 3 9 9 0	10/91	Kreifels et al.			
	A26 5 0 8 4 8 4 3	1/92	Mitsubishi et al.			
	A27 5 2 2 4 0 7 0	6/93	Fandrich et al.			
	A28 5 2 6 7 2 1 8	11/93	Elbert			
	A29 5 3 0 1 1 6 1	4/94	Landgraf et al.			
	A30 5 3 4 1 3 3 0	8/94	Wells et al.			
	A31 5 3 6 3 3 3 4	11/94	Alexander et al.			
	A32 5 4 1 8 7 5 2	5/95	Harari et al.			
	A33 5 6 4 8 9 2 9	7/97	Miyamoto			
	A34 5 7 1 9 8 0 8	2/98	Harari et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS.? (YES/NO)
B11 EP 0 2 8 3 2 3 8	1988	EPO			
B12 JP 63 1 0 6 9 8 9	1988	Japan			Abstract
B13 JP 63 2 2 5 9 9 9	1988	Japan			Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

C8	Intel Corporation, 27F256 256K (32K x 8) CMOS Flash Memory", Data Sheet, May 1988, pp. 1-21.
C9	Cricchi et al., "The Drain-Source Protected MNOS Memory Device and Memory Endurance", IEDM Technical Digest, 1973, pp. 126-129.
C10	Cormier, "Erasable/Programmable Solid-State Memories", EDN, pp. 145-154, November 14, 1985, pp. 145-154.

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	A35 4 5 2 1 8 5 3	6/85	Gutttag			
	A36 4 4 6 8 7 2 9	8/84	Schwartz			
	A37 4 9 3 9 6 9 0	7/90	Momodomi et al.			
	A38 4 9 5 3 1 2 9	8/90	Kobayashi et al.			
	A39 5 0 3 3 0 2 3	7/91	Hsia et al.			
	A40 4 8 6 0 2 2 8	8/89	Carroll			
	A41 4 8 1 1 2 9 3	3/89	Knothe et al.			
	A42 4 7 9 6 2 3 5	1/89	Sparks et al.			
	A43 4 7 5 8 9 8 8	7/88	Kuo			
	A44 4 7 5 8 9 8 6	7/88	Kuo			
	A45 4 6 8 5 0 8 4	8/87	Canepa			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS.? (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

C11	Cernea et al., "A 1Mb Flash EEPROM", 1989 IEEE International Solid-State Circuits Conference.
C12	Wilson, "1-Mbit Flash Memories seek their role in System Design", Computer Design, March 1, 1989, pp. 30 and 32.
C13	Kynett et al., "An In-System Reprogrammable 32KX8 CMOS Flash Memory", IEEE J. Solid-State Circuits, vol. 23, No. 5, October 1988, pp. 1157-1163.

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	A46 4 8 3 9 7 0 5	6/89	Tigelaar et al.			
	A47 4 7 8 0 8 5 5	10/88	Iida et al.			
	A48 5 2 6 8 8 7 0	12/93	Harari			
	A49 5 1 6 8 4 6 5	12/92	Harari			
	A50 4 8 6 0 2 6 1	8/89	Kreifels et al.			
	A51 4 8 1 1 2 9 4	3/89	Kobayashi et al.			
	A52 4 7 6 3 3 0 5	8/88	Kuo			
	A53 5 0 4 3 9 4 0	8/91	Harari			
	A54 4 4 6 0 9 8 2	7/84	Gee et al.			
	A55 4 8 0 5 1 5 1	2/89	Terada et al.			
	A56 4 0 9 0 2 5 8	5/78	Cricchi			

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